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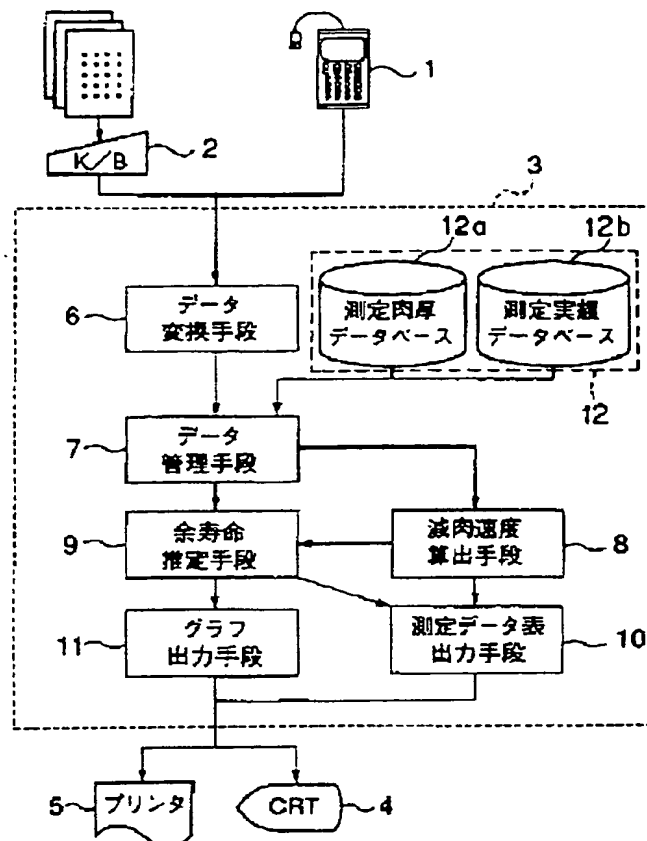
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APPLICANT : TOSHIBA CORP;

INVENTOR : MIYABE KEISUKE;

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TITLE : PIPING WALL THINNING CONTROL SYSTEM



ABSTRACT : PROBLEM TO BE SOLVED: To automatically determine the inspection of piping and the time of replacement by estimating a remaining service life of piping every measured place on the basis of the maximum value of wall thinning speed and the minimum value of the wall thickness value at each measuring point at the time of present inspection.

SOLUTION: A wall thinning speed computing means 2 obtains the wall thickness value measured at the time of present inspection and the wall thickness value measured at the time of preceding inspection at each measuring point stored in a measured wall thickness data base 12a and a measured result data base 12b, and, operating time from the preceding inspection to the present inspection through a data control means 7, and computes the wall thinning speed at each measuring point. A remaining service life estimating means 9 obtains the wall thinning speed of all the measuring points from the wall thinning speed computing means 2 and obtains the wall thickness value measured in the present inspection and the required minimum value from the measured wall thickness data base 12a so as to compute a remaining service life, and estimates the minimum value out of the remaining service life at each measuring point as the remaining service life of a measured place.

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